

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 31st Year

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Foundation for Amateur Radio announces scholarship availabilities for 2001-2002

Three Wisconsin clubs among donors

The Foundation for Amateur Radio, Inc., will be administering sixty-seven scholarships for the coming academic year, ranging from \$500 to \$2500 each. Unless otherwise indicated, all licensed Amateurs meeting the specific requirements may compete for the awards if they are now enrolled or have been accepted for enrollment in an accredited university, college or technical school to pursue a full time course of studies. Applicants are encouraged to apply for all of the scholarships for which they are eligible to increase their opportunities for the awards having the highest value.

The Wisconsin clubs offering scholarships are:

The West Allis Radio Amateur Club

WARAC Memorial Scholarships - two at \$1000 each

These are available to Wisconsin residents holding any class of Amateur Radio license and pursuing at least an Associate degree in any course of study. Those seeking graduate degrees are also available.

The South Milwaukee Amateur Radio Club

Two scholarships at \$1000 each

Applicants must hold an Amateur Radio license, be residents of the state of Wisconsin and intend to seek an Associate or baccalaureate degree from a college or university in the U.S. Preference will be



given to applicants studying Electrical Engineering or related technology.

Ozaukee Radio Club Scholarship

One \$1000 scholarship

It is available to Wisconsin residents holding any class of Amateur Radio license and pursuing at least a bachelor's degree in any course of study.

Wisconsin amateurs seeking scholarships should apply to FAR for these and other scholarships for which they may be eligible. Applications must be signed and received prior to June 1, 2001.

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501(C)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

Foundation for Amateur Radio

HAMMING IT UP AT 100

By Jim Callow, K8IR



Mike Anuta, W8HKY

Michael Anuta, W8HKY, of Marinette, Wisconsin, turns 100 in February. He was first licensed in the late 40s, and was an active ham through the 1970s, but he sold his equipment when he moved to a retirement apartment. He did keep his license current.

In the year 2000, Mike read a newspaper account of the 50th anniversary of the M&M Amateur Radio Club and he decided to rejoin the club. He bought a 2-meter handheld radio, and now regularly checks into the club's Sunday night 2-meter net. He also rejoined the ARRL.

Although he was well toward middle age when he became licensed, he remembers his first encounter with the radio hobby during WWI, when as a teen he erected an aerial on the roof of the family's house in Milwaukee and listened to spark gap signals.

He's also a certified brass pounder, having worked as a telegrapher, first with Western Union, and later with the Milwaukee and Chicago and Northwestern railroads in Wisconsin in the early 20s.

A correspondence course led to a law degree, and he spent 67 years as a practicing attorney, including 10 years as prosecuting attorney and 10 years as a municipal judge in Menomonee, Michigan.

He was also very active with the Boy Scouts of America, Rotary International, and the Civil Air Patrol.

He is also the author of several books, the most recent on the history of his father's family, which was published in 2000.

Michael and his wife, Marianne, recently celebrated their 79th wedding anniversary.

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Happy New Year!

from

Badger State Smoke Signals

**A new year • A new century
a new millennium**



WHAT'S HAPPENING

Swapfests and Other Social Events — Club Meetings Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901 • kebnetter@palacenet.net

Swapfests And Other Social Events

SATURDAY, JANUARY 6, 2001 29th Annual Midwinter Swapfest Waukesha Exposition Center Sponsored by the West Allis Radio Amateur Club <http://www.WARAC.org>

FEBRUARY 27, 2001 Red Cedar Repeater Association Auction American Legion Post 53 634 Water St., Eau Claire WI Information: Steve Hart, KA9OMC (715) 665-2374.

SUNDAY, MARCH 4, 2001 SEWFARS Swapfest Waukesha Expo Center 8 a.m. to 2 p.m. Setup starts at 6 a.m. Talkin: 146.82 PL 127.3 Reservation deadline: February 23, 2001 Info: (262) 835-7035

SUNDAY, MARCH 11, 2001 Wisconsin QSO Party Sponsored by the West Allis Radio Amateur Club <http://www.WARAC.org>

SUNDAY, MARCH 18, 2001 Hamfest 2001 8 a.m. to 2 p.m. Jefferson County Fairgrounds Activity Center, Hwy. 18 West Jefferson, WI Sponsored by Tri-County ARC Talkin on 145.49 repeater Info: TCARC, 213 Frederick Street, Fort Atkinson, WI 53538 (920)

563-6381 evenings (920) 563-9551 (FAX) tri-countyarc@globaldialog.com

SUNDAY, MARCH 25, 2001 NS9RCfest Formerly LAMARSfest Lake County Fairgrounds Grayslake, IL Sponsored by North Shore Radio Club, Box 1066, Highland Park IL 60035 <http://www.ns9rc.org>

SUNDAY, APRIL 8, 2001 Madison Swapfest Mandt Community Center 400 Mandt Parkway Stoughton, WI Doors open at 8 a.m. Sponsored by MARA/W9HSY P.O. Box 8890, Madison WI 53708-8890 Info Line: (608) 245-8890

SATURDAY, MAY 5, 2001 Ozaukee Radio and Computer Swapfest 8 a.m. to 1 p.m. Circle B Recreation Center, Intersection of Highway 60 and County Y Info: Ozaukee Radio Club W55 N865 Cedar Ridge Drive Cedarburg, WI 53012

SATURDAY, JUNE 9, 2001 Eau Claire Amateur Radio Club Hamfest 2001 Information: Jim Staatz, KG9RA P.O. Box 1867, Eau Claire WI 54702-1867 Web: <http://www.ecarc.org> Email: w9eau@ecarc.org

SATURDAY, JULY 7, 2001 Hamfest 01 South Milwaukee Amateur Radio Club American Legion Park, Oak Creek Info: Verne at (414) 762-3235

SATURDAY, AUGUST 11, 2001 Circus City Swapfest Sauk County Fairgrounds, Baraboo, WI 7 a.m. until noon Sponsored by Yellow Thunder Amateur Radio Club Info: <http://members.baraboo.com/sschulze/>

hamfest.htm

SATURDAY AND SUNDAY, SEPTEMBER 22 AND 23 Radio Expo 2001 Lake County Fairgrounds, Rts. 45 and 120 Grayslake, Illinois Info: Voice mail and FAX - (708) 457-0966 <http://www.chicagofmclub.org>

As a service to our readers, this section is available without charge to list your upcoming swapfest, hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to kebnetter@palacenet.net.



CLUB MEETINGS

Due to space limitations we cannot carry the full listing of club meeting locations every month. Please see last months BSSS for club meeting information. There have been no changes received since that listing. If you have any changes or additions, please send the to Ken Ebnetter, K9EN at the address on this page.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560. kebnetter@palacenet.net

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EDITORIAL BOARD: Ken Ebnetter, K9EN; Don Even-son, K9JYX; Jim Romelfanger, K9ZZ.

Subscription Rate

1 year (12 issues) \$13.95

Subscription form is on page 5. Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebnetter.

Editorial material, photographs, and feature articles should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Club, swapfest, and Test Point information should be sent to Ken Ebnetter.

Swapfest ADS should be sent to Jim Romelfanger NO LATER THAN EIGHT WEEKS BEFORE THE EVENT'S DATE.

Subscriptions should be sent, with check or money order, to Ken Ebnetter.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.

This newspaper is produced by volunteer radio amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

Badger State Smoke Signals is incorporated as a Wisconsin non-stock, non-for-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

January 06, 2001	Racine, WI
January 06, 2001	Oshkosh (Omro), WI
January 06, 2001	St. Paul, MN
January 11, 2001	Apple Valley, MN
January 13, 2001	Madison, WI
January 13, 2001	Eau Claire, WI
January 13, 2001	Blaine, MN
January 13, 2001	Sheboygan, WI
January 16, 2001	Eden Prairie, MN
January 20, 2001	Milwaukee, WI (BE)
January 20, 2001	Loves Park, IL
January 20, 2001	Cottage Grove, MN
January 27, 2001	Bloomington, MN
January 27, 2001	Milwaukee, WI (MRAC)
January 27, 2001	Appleton, WI
January 27, 2001	Tomahawk, WI
February 03, 2001	Oshkosh (Omro), WI
February 03, 2001	St. Paul, MN
February 08, 2001	Apple Valley, MN
February 10, 2001	Eau Claire, WI
February 10, 2001	Madison, WI
February 10, 2001	Blaine, MN
February 17, 2001	Milwaukee, WI (BE)
February 17, 2001	Loves Park, IL
February 17, 2001	Cottage Grove, MN
February 20, 2001	Eden Prairie, MN
February 24, 2001	Bloomington, MN
February 24, 2001	Milwaukee, WI (MRAC)
February 24, 2001	Tomahawk, WI
March 03, 2001	Oshkosh (Omro), WI
March 03, 2001	St. Paul, MN
March 08, 2001	Apple Valley, MN
March 10, 2001	Madison, WI
March 10, 2001	Blaine, MN
March 17, 2001	Milwaukee, WI (BE)
March 17, 2001	Loves Park, IL
March 17, 2001	Cottage Grove, MN
March 20, 2001	Eden Prairie, MN

March 24, 2001	Bloomington, MN
March 24, 2001.	Milwaukee, WI (MRAC)
March 24, 2001.	Tomahawk, WI
March 24, 2001	Appleton, WI
March 31, 2001	Menomonie, WI
April 07, 2001	St. Paul, MN
April 07, 2001	Oshkosh (Omro), WI
April 12, 2001	Apple Valley, MN
April 14, 2001	Madison, WI
April 14, 2001	Blaine, MN
April 17, 2001	Eden Prairie, MN
April 21, 2001	Milwaukee, WI (BE)
April 21, 2001	Loves Park, IL
April 21, 2001	Cottage Grove, MN
April 28, 2001	Bloomington, MN
April 28, 2001	Milwaukee, WI (MRAC)
April 28, 2001	Tomahawk, WI
May 12, 2001	Appleton, WI
May 19, 2001	Sheboygan, WI
June 09, 2001	Eau Claire, WI
July 17, 2001	Sheboygan, WI
August 18, 2001	Appleton, WI
September 15, 2001	Sheboygan, WI
November 03, 2001	Menomonie, WI
November 04, 2001	Kaukauna, WI
November 20, 2001	Sheboygan, WI
January 26, 2002	Appleton, WI
Monthly, 1st Sat.	Oshkosh (Omro), WI
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Blaine, MN
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat.	Milwaukee, WI (BE)
(September through April)	
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat.	Milwaukee, WI (MRAC)
(except December)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	

Amateur Radio Examination Locations and Schedules in the Wisconsin Area

We need a lot of updates from a lot of VE teams. Please use the email link provided so prospective examinees will know of your sessions. Check your group's listing. Thanks.

Fees will change beginning January 1, 2001. See below for information.

GENERAL RULES FOR MOST EXAMINATIONS Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walkins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html>
or
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

BEGINNING JANUARY 1, 2001, ARRL/VEC EXAMS WILL REQUIRE A TEN DOLLAR FEE. Other VECs may increase fees, amounts may vary.

Exam fees change annually. See QST, W1AW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2000 test fee at \$6.65. A \$6.65 fee will be collected from applicants seeking to upgrade using a physician's certification to waive the Morse code examination.

FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

<http://www.arrl.org/arrlvec/examsearch.phtml>

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC

MILWAUKEE RADIO AMATEURS CLUB (MRAC/VEC) MILWAUKEE

Last Saturday, except June, July, and August, 9:30 a.m. to noon at Amateur Electronic Supply (AES), 5710 W. Good Hope Road, Milwaukee. For additional information, call (262) 797- MRAC. Bring along your original license, CSCE (if any), and one (1) good quality photocopy of each, plus two forms of identification, such as a driver's license, etc. Also required is \$6.65 for the exam fee. Walkins are welcome. To register in advance, use a post card. Print the grade of license you are applying for, your name, address, and telephone number, and send the card to MRAC/VEC, Milwaukee Radio Amateurs Club, PO Box 25707, Milwaukee, WI 53225.

BADGER EXAMINERS (BE) - MILWAUKEE

September thru April, every third Saturday morning, 9:30 a.m. to noon,

Badger Examiners group tests at AES (Amateur Electronic Supply) at 60th and Good Hope, Milwaukee. Exams are given at the old Sterman Printing shop, just 300 feet west of the AES store. Novice to Extra are offered, and all test materials are provided. Fee is \$6.35, and bring your original license, or CSCE if needed. Also available are Commercial license exams GROL (General Radiotelephone license), GMDSS, Telegraph, Etc. Fee is \$35.00. For more information call Gary Sharbuno, WI9M at (414) 355-0237.

EAU CLAIRE, WI

Saturday, January 13, 2001. 9 a.m. to 11:45 a.m. South Middle School, 2115 Mitschner Avenue, Eau Claire, WI. Saturday, June 9, 2001. 19 a.m. to 11:45 a.m., Eau Claire Hamfest. Information: Steve Bluem, KA9OMY, ka9omy@arrl.net Web page: <http://www.ecarc.org>

FRIENDSHIP, WI-UPDATE NEEDED

Saturday, October 7, 2000. Adams-Columbia Electric Cooperative, Community room, 401 E. Lake Street (CTH J), Friendship, WI. 2 p.m. to 5 p.m. local time. Walkins welcome, repeat exams as time permits upon payment of additional fee. Sponsor: Adams County Amateur Radio Club. Contacts: Wayne Hembrook, KB9LNQ, (608) 339-4169, email kb9lnq@maqs.net or Karl Simonson, KS9E, (847) 244-0802, email ks9e@usa.com.

MADISON, WI

First Saturday monthly: 8 a.m. to 10 a.m. Space Place, 1605 South Park Street, Madison. Please bring a

picture ID, your original license, a copy of your license, and a check for \$6.65 made out to the ARRL/VEC. If the special form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me. Dates: September 2, October 7, November 4, December 2, 2000, and January 6, 2001. Questions may be directed to Tim Czerwotka, WO9U, at (608) 233-9829 (home phone) or sent to wo9u@arrl.net.

MENOMONIE, WI

Saturday, March 31, 2001, and Saturday, November 3, 2001. The location will be the U.W.-Stout's Millennium Hall 9 (the new Communications Building), at the corner of Broadway and 10th Avenue on the U-W Stout Campus in Menomonie, Wisconsin. Walkins only. Arrive between 9 and 11 a.m. For information, contact Jim Ley, NX9F, (715) 235-3998 (H), or (715) 232-1397 (W).

STEVENS POINT, WI - ARRL/VEC-UPDATE NEEDED

All levels of amateur exams. Room A107 of the UWSP Science Building, on campus, corner of Fourth and Reserve Streets. For questions, directions, or further information, contact Joe Larson, N9JW, at 715-344-1182 evenings or email to joel8@bigfoot.com.

(We are waiting for an update from this exam group. BSSS Editor.) Joe Larson, N9JW

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August. Monthly exams are given 9 to 11 a.m. at the Faith United Methodist Church, 1013 Harmony Drive, Racine. Walkins are permitted. Talk in on 147.87/27. Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (262) 886-8551.

TOMAHAWK, WI

Last Saturday of every month, January thru October. Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No advance registration required, but appointment would be appreciated. Registration at 8:30 a.m. and testing starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

APPLETON, WI - ARRL/VEC KAUKAUNA, WI (HAMFEST)

January 27, March 24, May 12, August 18, November 4 (Kaukauna - FCARC Hamfest), 2001 and January 26, 2002.

Conducted by the Fox Cities ARC VE team. All regular test sessions are

held at the American Red Cross Building in Appleton. Testing starting at 8 a.m. For Appleton information, contact George R. Croy, W9MDP, 2113 W. Twin Wil-lows Drive, Appleton, WI 54914-6864. (920) 730-0967..

OSHKOSH (OMRO)

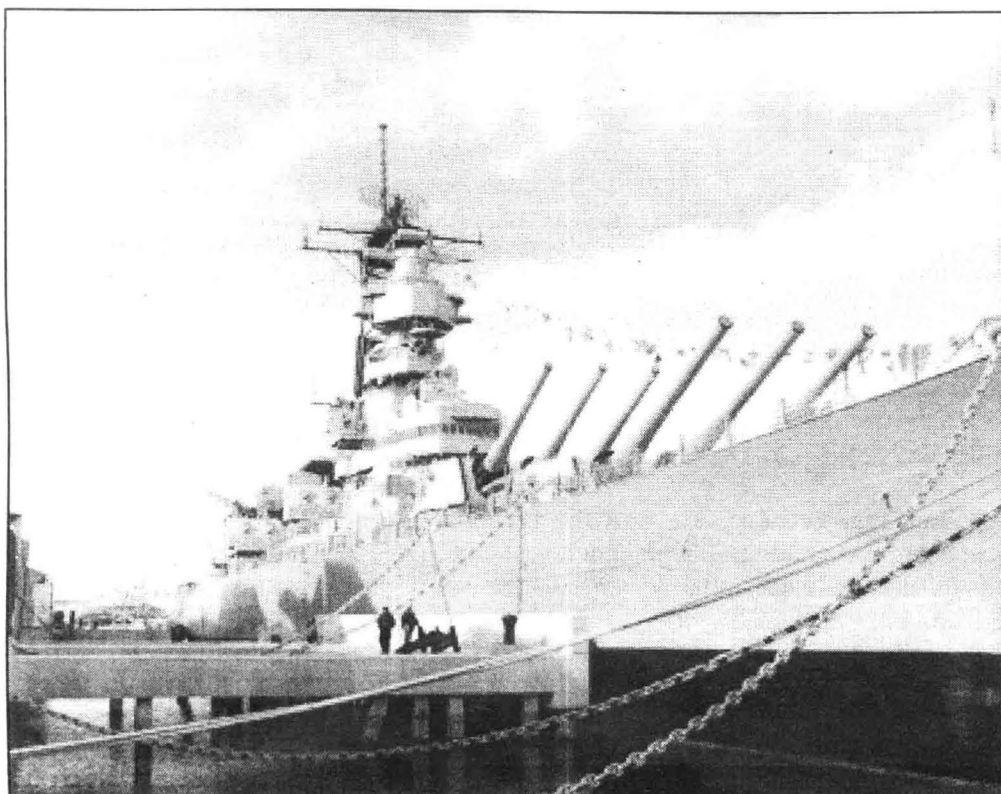
The Oshkosh VE Team will administer Amateur Radio exams monthly on the first Saturday. Registration begins at 8:30 a.m. and exams will be given from 9 a.m. until noon at the Omro Community Center, 130 W. Larabee, Omro, WI. Walkins welcomed. Bring a good quality photocopy of your original license and any other necessary documents such as a CSCE, etc. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. The exam fee is \$6.65. For more information, please call Dick Lemme, K9FA, at (920) 235-0987, e-mail lemme@vbe.com, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

SHEBOYGAN, WI

January 13, March 20, May 19, July 17, September

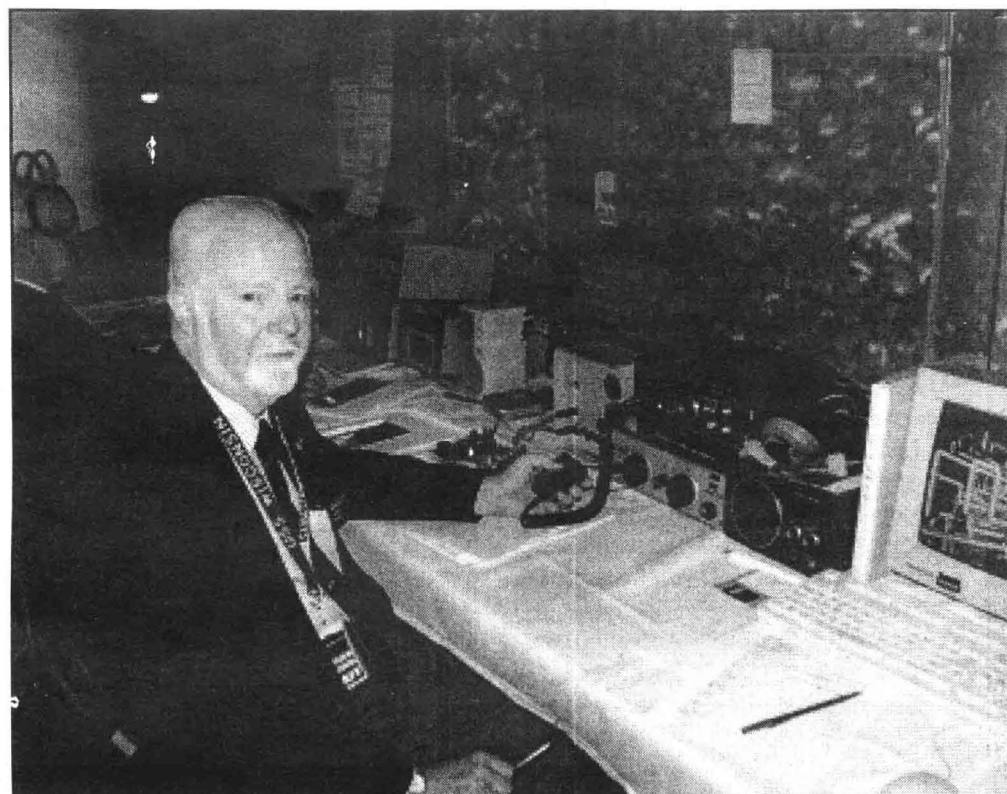
(Continued on page 11)

Behind the scenes at N4WIS



The mighty 16" guns of the U.S.S. Wisconsin (looks like zero degrees azimuth and 45 degrees elevation). These guns can propel a two-ton projectile 20 miles.

Photo by Ron Young, W8RJL



Jack Main, W4YCZ, working SSB at N4WIS. See the story on page 6.

Photo by Ron Young, W8RJL

SEWFARS SWAPFEST

HAMRADIOS COMPUTERS ELECTRONICS

SUNDAY

March 4, 2001

8:00 AM - 2:00 PM

SETUP STARTS AT 6:00 AM
WAUKESHA COUNTY EXPO CENTER
WAUKESHA, WISCONSIN

ADMISSION \$5.00 AT DOOR
RESERVED TABLES PER 4ft. \$6.00
ELECTRICAL OUTLET \$7.50
AMATEUR LICENSE EXAMS

RESERVATION DEADLINE IS FEB. 23, 2001-Order early

Mail with S.A.S.E. - Make Check Payable to SEWFARS Inc. Mail to: P.O. Box 102 Delafield, WI 53018
for more information Phone (262)835-7035 / TALK IN 146.820 - PL 127.3

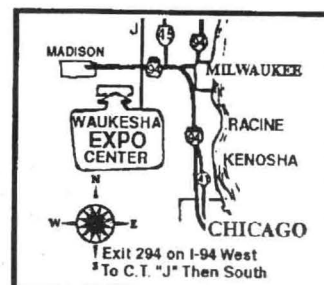
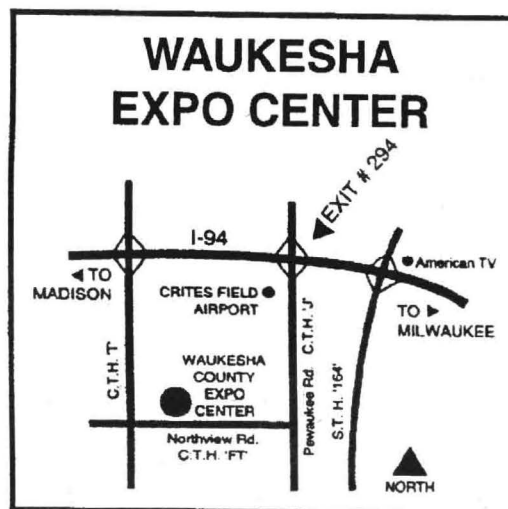
- # _____ ADMISSION TICKETS \$5.00 MUST be purchased with table
_____ TABLE RESERVATION \$6.00 for each 4ft. table
_____ ELECTRICAL OUTLET \$7.50

Name: _____ Address: _____
City: _____ State: _____ Zip: _____ Phone: _____

Brief Description of Display & Items being sold. _____

Must Be Mailed with a S.A.S.E. Make check payable to: SEWFARS Inc.

Mail To: SEWFARS P.O. Box 102 Delafield, WI 53018 - Phone (262)835-7035



Wisconsin HF Nets Need a Boost!

I believe we would all like to see some new faces on our nets.

A potential source for more traffic handlers are those Wisconsin hams who have upgraded to General or Extra. With the cooperation of the ARRL, I will now receive a monthly list of Wisconsin hams who have recently upgraded. Congratulatory messages will be sent from me through our traffic system. Not only will they receive a pat on the back, they will be introduced to me for any assistance and, more importantly, a local amateur experienced in traffic handling.

The door will be opened for *you* to welcome the newcomer to HF operation and, hopefully, help them get started and involved in the traffic system. I encourage you to go the extra mile and assist them in the next phase of their hobby. Many are probably wondering what to do with their new upgrade and equipment. Now is the time to step in with some good advice and encouragement while they are still on cloud nine!

Let's all take advantage of this golden opportunity to help our amateurs into HF operation and our public service traffic system!

73, Don, W9IXG
Section Manager
w9ixg@arrl.org

'Way off topic.....

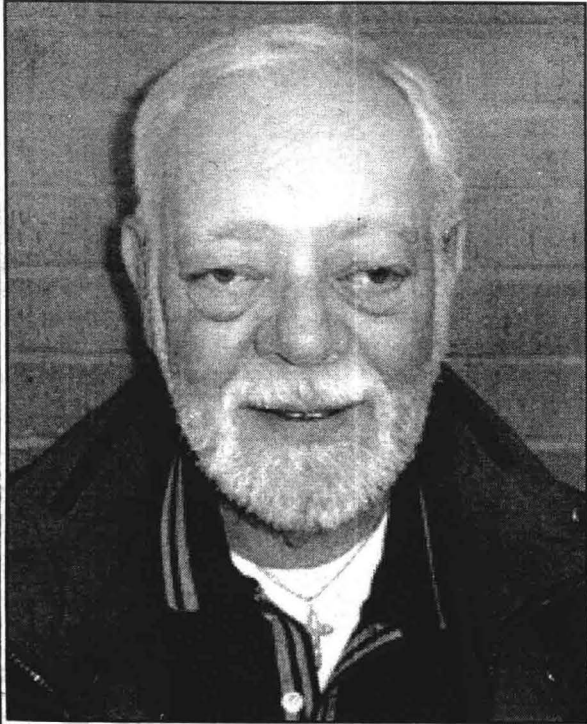
Regular readers and even those who are not regular know by now I am a fan and friend of Jan and Dean, rock and roll legends. Last year was to have been their final year to tour. Not! Jan and Dean are doing tours again in 2001, and this will indeed likely be the final year.

I took in their concert in Chippewa Falls last July (and had a nice visit with Mike, N9GHZ and nephew Ryan). That was at the Northern Wisconsin State Fair.

Since 2001 is likely to be the finale, I am hoping *someone* in Wisconsin will book them for a gig in 2001. Anyone out there in a position to make that happen?

K9ZZ

Silent Key



Dick Trempe, N9QQ

Richard "Dick" C. Trempe, N9QQ (formally KA9DQQ), Wausau, age 62, died December 11, 2000 at Community Heath Care Wausau Hospital.

He was born in Menominee, Michigan on October 26, 1938. He lived in Milwaukee, Wisconsin for part of his life, and graduated from Marquette University with a Degree in Mechanical Engineering. He married Patricia Pawlicki on September 15th, 1962. He worked for J.I. Case and A.O. Smith as Supervisor of Automotive Engineering and later, after moving to Wausau, an Instructor of Mechanical Design at Northcentral Technical College.

Dick was a member of George Schreier Council No. 1069 Knights of Columbus, Pere Rene Menard Assembly 4th Degree Knights of Columbus, Wausau Noon Lions Club and was active in Junior Achievement. He enjoyed hunting, fishing motorcycling and sailing. When he lived in Milwaukee, he started sailboat races at Fox Point, and raced in many of them.

He was very active in Amateur Radio for many years. He was a member of the ARRL; Wisconsin Valley Radio Association (146.640), Rib Mountain Repeater Association (146.820), Wausau; Tomahawk Repeater Association (145.430); and Antigo Repeater Association (145.310). He was a past president of Army M.A.R.S. and member for about 10 years. He was involved in many club activities that help promote Amateur Radio: Dream Flight Wausau, Boy Scout Camporees, Field Day, Y2K Communications and he helped young people who were interested in the hobby. He provided amateur radio news reports for a couple of the local repeater nets and started a local "Hams and Eggs For Breakfast" in Wausau, for amateurs to meet and socialize over breakfast.

Dick was an Elmer to many amateurs and will be dearly missed!

Matt Baumann, N9NMH

Not all in January!

Amateur license plates revisited

In our December issue, I said Amateur Radio license plates come due for renewal in January. (Actually, that is your vehicle's registration. And, did you know you can have Amateur Radio call plates for all of your cars?)

I stand corrected about the month. Not all Amateur Radio plates are renewable in January, some come in other months. For many years, it was January only, but it's not so now.

The fee I quoted, \$55.00, is correct. That is an extra ten dollars, because this cycle we are getting brand new base plates. After this renewal, it falls back to \$45.00, the normal rate. The reason for the "bargain" is that our plates serve as ID when we are called upon to serve in public service communications. We hope the legislature understands this and does not raise our annual rate. After all, how much would our 6,000 man-hours of communications provided during the Weyawega derailment be worth if measured in dollars? We do it free, and gladly.

Editor

Ferrite to the Rescue

By John Frank, N9CH

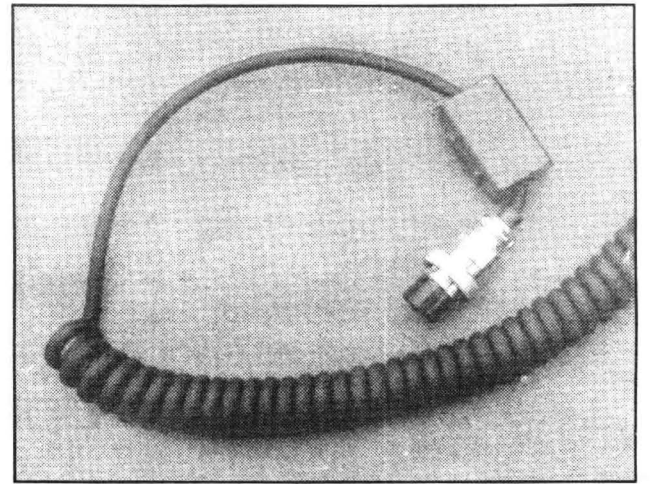
Here is a tip so simple I should have thought of it 26 years ago.

Years back, RF feedback in mobile installations was much less common than it is today. For one thing, the antennas were usually farther away from the microphone than they are on modern cars. Back in the days of big American cars, there were bumper mount antennas, trunk lid mount antennas, roof mount antennas, and the well-known ball mount that allowed the antenna to be mounted on a vertical, horizontal or angled surface. By comparison, the glass mount antenna on my Corvette is less than three feet from the dual-band transceiver mounted on the right side of the console.

On my pickup truck, the base loaded antenna is mounted next to the hood on a bracket that puts the base of the antenna over the left front fender. That's where I had the problem with RF feedback.

If I turned up the microphone gain, there was feedback. I didn't want to open up the radio to add bypass capacitors or RF chokes to the audio circuit. There was no room inside the microphone connector for any RF suppression components. Then I remembered some split ferrites I had in my junkbasement - oops, I mean my junkbox.

With a split ferrite snapped around the radio end of the microphone cord, the RF feedback was gone. I could



turn the microphone gain up to where I needed it without RF from the antenna getting back into the transceiver via the microphone cord.

I'll be the first to admit that this solution is not very handsome. Some people might object to having a split ferrite dangling from the front of their radio, *but it works.*

There are no more squealing and whistling sounds emanating from my mobile rig every time I transmit.

Annual EC Conference a resounding success

The Second Annual ARES / RACES / Emergency Coordinator/Radio Officer Conference was held Saturday, December 2, 2000, with 72 attendees. What a terrific turnout!

The festivities began in the auditorium with a welcome by Section Emergency Coordinator Stan Kaplan, WB9RQR, followed by comments from Alan Wohlferd (WEM Communications and Warning Officer).

Then, Don Michalski, W9IXG, ARRL Section Manager, previewed the new ARRL Continuing Education Program on Emergency Communications. Jim Lackore, AD9X, ARRL Section Government Liaison, followed with a discussion of local and state laws covering the use of mobile cell phones and other communications devices which may have an impact on Amateur Radio mobile communications.

After a break, Abe Galonski (K1CW, EC for Ozaukee County), profiled his group, especially their positive, intimate relationship with Emergency Management.

The participants then moved to the EOC for a box lunch, tours of the State Hamshack by Mack Brophy, N9NTB, and tours of the Milwaukee Mobile Communications Van, hosted by Jeananne Bargholz, N9VSV, in the parking lot.

After lunch, Ray Meyer, N9PBY, spoke on the Wisconsin Packet Network.

The day was topped off by a bona fide tabletop exercise, designed and facilitated by Jack Morrison, N9SFG, Ozaukee County's AEC for Training and Captain of the county's 42-foot rescue boat. The scenario involved regional wildfires that required ECs to coordinate inter-county response and mutual aid.

The exercise definitely caused all present to think about emergencies that cross county borders, and that requires multi-unit response. The general feeling was that it was an excellent, challenging experience, well worth the time expended.

If you missed the 2000 conference, plan to attend in 2001!

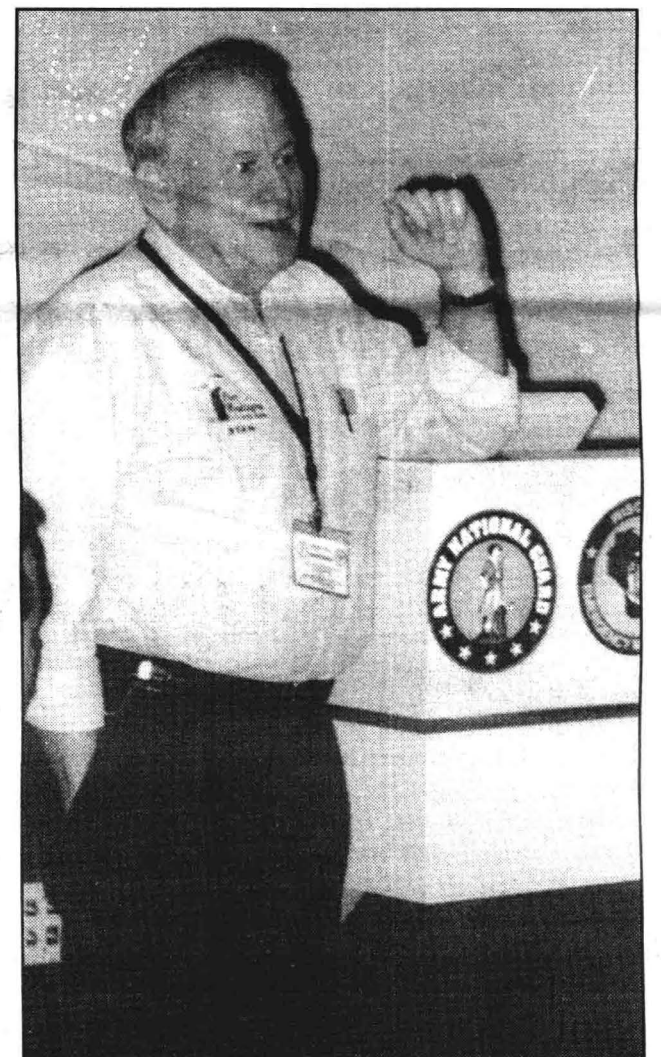
Stan Kaplan,
Wisconsin Section Emergency Coordinator
in
The Wisconsin Emergency Coordinator

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The site will be updated more frequently as our computer equipment becomes more up to date.



Stan Kaplan, WB9RQR, Section Emergency Coordinator and RACES Radio Officer for Wisconsin, addresses the December 2, 2000 communications conference in Madison.

Photo by Don Michalski, W9IXG

DO YA WANNA..

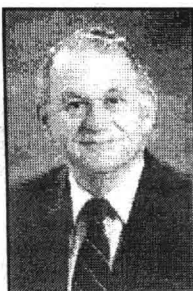
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The Computer Corner

By Stan Kaplan, WB9RQR • 105 Martin Drive
Port Washington, WI 53074-9654
(262) 284-9346
skaplan@mcw.edu



No. 86: CD-ROMs - Smoke and Mirrors

Well, maybe not so much smoke, but mirrors, for sure. That is how CD-ROMs work.

A standard CD-ROM disk is made by stamping at the factory, much as the process used for stamping phonograph records in the past. The stamping creates a single spiral track that starts at the outside and ends near the hole in the center. That is right! A single, spiral track, just like a phonograph record. Thus, they are totally unlike a floppy disk or hard disk. These devices hold their magnetically encoded data in a series of concentric circles.

The CD-ROM's track (on the bottom, called the bright side) consists of a series of depressions called pits and non-depressed areas called lands. The patterns of pits (each a zero) and lands (each a one) encode the data, just like the pattern of depressing or releasing a key encodes the data in the CW that some of us hams send out over the airwaves. A laser beam is focused on the track. When it hits a pit, no light is reflected and a photocell records the binary number: zero. When it hits a land, the beam is reflected by the metallic layer embedded in the disk just above the track. The reflected beam strikes the photocell, which records the binary number: one. Simple. On/off, just like CW, and the metallic layer acts just like a mirror.

CD-ROMs are now the standard way to distribute software, and "burners" (drives that can write CD-ROMs) are commonplace. What properties make them so popular? First, they can hold a huge amount of data. The usual CD-ROM today has a capacity of 650 megabytes, which means that a single disk can hold the equivalent of over 450 1.44-megabyte floppy disks!

Another advantage is that CD-ROMs last a long time. Floppies should never be used to store data more than a year or two at the outside. The magnetic domains that were written on them by the read/write head in the disk drive begin to dissipate with time. When CD-ROMs were first developed (about 1980), they did not last much longer than floppies. The metallic (aluminum) layer would oxidize and become transparent, instead of mirror-like. Today, however, technology has greatly improved the stability of the metallic reflective coating, and the life expectancy of a manufactured CD-ROM has increased to about 100 years, with premium disks being readable for as long as 200 years! (Surf around at <http://www.kodak.com> if you don't believe those numbers.) However, that time span is for manufactured disks. The kind you "burn" at home are a bit more iffy. Why?

There are two kinds of disks you can burn at home. CD-R disks (the R stands for recordable) are the kind you can write just once. They contain a layer of dye under the track which is almost clear before writing, which means that almost all the light coming from the reading laser is reflected back to the photocell, thus representing all ones. When you "burn" the CD, a special high-power writing laser (about ten times the power of the reading laser) breaks down the dye both physically and chemically into a darkened goo. Later when the CD is read, the darkened dye in that spot absorbs the light of the reading laser so none is reflected back to the photocell. Voila. A zero. This dye darkening process is not intentionally reversible. However, if you leave a CD-R disk on a desk, bright side up for several days, there is a risk of the dye fading. Add a sunny window and the risk increases. Best keep them in an acrylic "jewel case" away from direct sunlight! Putting the jewel case inside a lightproof enclosure would be even better. Kodak claims a 200-year life span for CD-R disks kept in the dark under moderate storage conditions, and 3-M research indicates 100 years under similar conditions!

The CD-RW disk (RW stands for rewritable) is very similar to the CD-R disk, with two important differences. First, the dye used is different indeed, in that the darkening process can be reversed. This means that old data can be overwritten (many times), just like a floppy. Again, the same precautions are necessary. Don't leave it in the sun if you want to keep the data. The other important difference is that not all CD-ROM drives can read this type of disk. Some older drives will simply not be able to read the data. How can you tell which drives will and which will not be able to read the data? You can't. The only way to tell is to try it. Therefore, if you are burning data to send to a friend, the safest policy is to use a CD-R disk. They are cheaper, anyway.

Are you sitting down? Now that we have examined this amazing storage device, let me reflect that it is already obsolete! Some of you may own the CD-ROM's successor already. It is the DVD disk. The first DVDs hold 4.7 gigabytes of data, roughly the equivalent of 7 CD-ROMs or over 3,000 floppies! The drives are able to play over two hours of full-motion video (movies!), including top quality audio and additional data tracks. Moreover, the manufacturers are making the drives backward compatible, able to read CD-ROM disks as well as DVDs. A very nice touch, indeed, for which we all thank you, manufacturers! Also in the works are double-sided DVDs (data is recorded on both surfaces) that will hold 17 Gb of data - more than 8 hours of video storage! Will it ever cease? Of course not! Happy computing. □

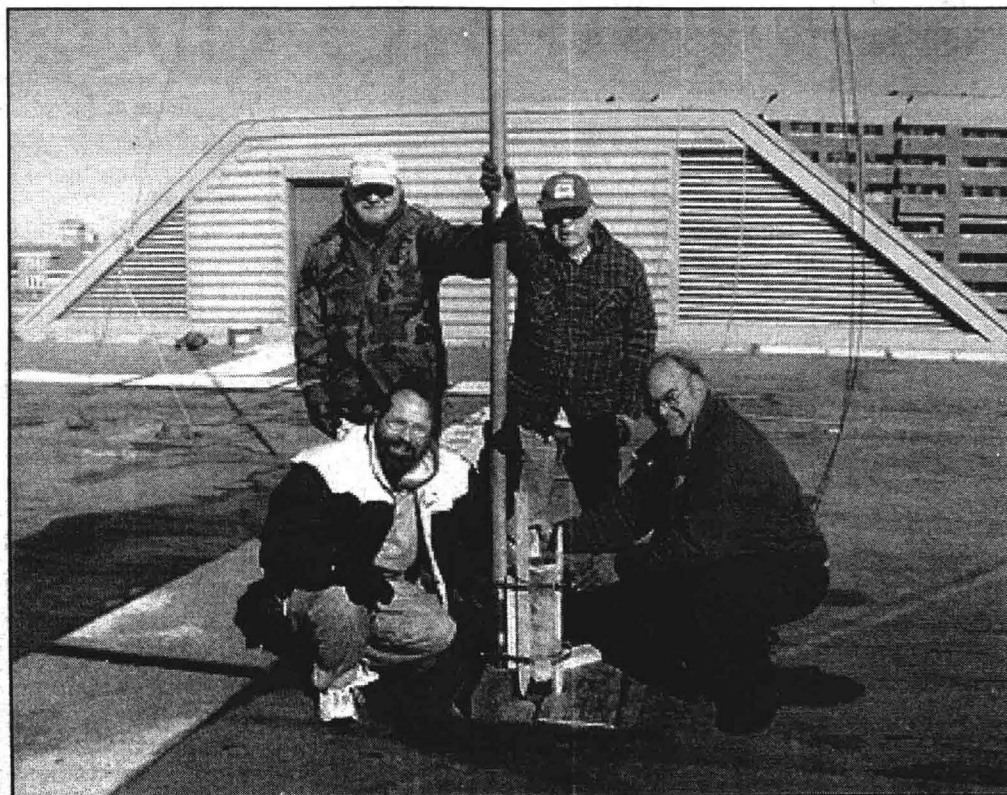
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A note of special thanks to all who wrote the articles and stories and took the photos you see in this issue. It makes the editor's volunteer tasks a little easier and it certainly makes the newspaper informative and interesting.

N4WIS

Special Event Station Summary

By Ron Young, W8RJL



The N4WIS antenna party! Top left is John Lockwood, KA4SBT; top right is Bus Etheridge, K4IX; bottom left is Charles Lowrance, WA4MCK; bottom right is Carey Brown, KT4P.

Photo by Ron Young, W8RJL

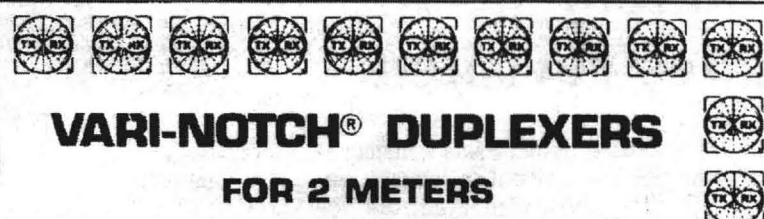
The driving force for this special event station was Bus Etheridge K4IX. From first word that the mighty Wisconsin would become a permanent attraction at Nauticus in downtown Norfolk, Bus worked to have a special event station. A USS Wisconsin Radio Club was formed and a club call was requested. The original call KG4IPR was quickly replaced with N4WIS (N for Navy and WIS for Wisconsin). Year 2000 officers are K4IX, Bus Etheridge, President; W8RJL, Ron Young, VP; W4Y CZ, Jack Main, Secretary; and KT4P, Carey Brown, Treasurer.

As more and more information became available, it was obvious that a special event station from inside the Wisconsin was impossible. The ship is sealed to preserve it for possible reactivation by the Navy. We considered an operation from the deck but weather and shelter concerns made that unlikely. We planned to operate from the pier or if necessary from home QTH's to make it happen. Exactly one week before the big event (docking at Nauticus on 12/7/00), KT4P received a call from Nauticus saying "can you operate your special event station from inside Nauticus on 12/7 through 12/10". Bus's prayers had been answered and it was now a scramble to make it happen inside Nauticus.

The day before we planned to put antennas on the roof of Nauticus it snowed. There was ice, snow and wind on the high roof during the antenna party. RFI was a big concern because we knew Nauticus is full of electronic exhibits and a facility-wide PA system. Ron Young, W8RJL, constructed resonant antennas with baluns; one was a multi-band inverted-vee for 40/20/15/10 and the other was a 20 meter sloper. We worked very closely with Charles, WA4MCK, and John, KA4SBT, who are on staff at Nauticus and on-the-air tests the day of the antenna party indicated no RFI problems.

The special event station was located on the third floor of Nauticus and consisted of tables, chairs, QSL card displays, information on ham radio, and the radio equipment. The rigs consisted of a TenTec Omni 6 for CW and a Yaesu FT757GX for SSB. Other modes (PSK31, RTTY, APRS) were operated from members home QTH's. After Wisconsin was docked and the outside ceremonies were completed, many people visited the special event station. There were even more visitors on Saturday and Sunday and many were interested in knowing more about ham radio. There were a total of 15

Please turn to page 8



The TX RX Systems Inc. patented Vari-Notch filter circuit, a pseudo-bandpass design, provides low loss, high TX to RX, and between-channel isolation, excellent for amateur band applications. TX RX Systems Inc. has been manufacturing multicoupling systems since 1976. Other models available for 220 and 440 MHz, UHF ATV and 1.2 GHz.

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19" RACK MOUNT

PARTICIPATING CLUBS AND ORGANIZATIONS

Wisconsin Nets Association Ltd.

Dean R. Herriges, KB9ROB, Secretary
W370 S9590 Highway 67 • Eagle, WI 53119

WISCONSIN NETS

Net	WNA	Freq.	UTC	CST	Manager
BWN	Yes	3985	1200	0600	W9RCW
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9FHI
WNN	Yes	3723	0000	1800	KB9ROB
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9UW
RCRA	No	01/61	0130	1930	KA9OMC
(Mondays CDT) (Menomonie Area)					
Gr. Bay	No	72/12	0345	2145	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0300	2100	

Wisconsin Section STM Report November 2000

If you've read the data on nets in Stan's EC Bulletin, you have learned a bundle. If not, I recommend it highly. (<http://www.execpc.com/~skaplan>) For example, the reprint from N8UT points out that nets come in various sizes, shapes, and functions. He begins by defining a "declared" net as any net that begins with a statement from an operator that a net is being started for a particular purpose, and that someone is assuming duties as Net Control Station, (NCS.) You'll hear that statement in the preamble of every one of our section nets.

Since declared nets can take many different formats and styles, N8UT delineates the differences like this.

OPEN NET FORMAT: This type of declared net can be nearly invisible. A group has declared a net to be active, but not much is happening. The repeater or frequency is being used normally. The net is transparent and running in the background. A typical use for this type net is during the early stages of weather watches. Operators are occasionally reporting some weather condition to an informal NCS. Other than that, the rag chewing is proceeding normally.

DIRECTED NET FORMAT: There are two basic types of directed nets: Formal and Informal. Informal Directed Nets are your normal Tuesday night club net, Elmer's Net, CW practice net, ARES teaching net, Public Service Events, etc. Formal Directed Nets include activation of ARES/RACES personnel for Fire Nets, Skywarn, earthquake, or other Emergency Activations. In either case, the NCS declares the net to be active and actively controls the frequency. A specific topic, conditions, and/or set of instructions for check-in may be given. Normal usage of the frequency is stopped. This is the case with regular section nets. Stations are given instructions on how to pass traffic and it is done as efficiently as possible.

Net Control Stations can quickly become overwhelmed during emergencies. As the scope of an operation grows, the main (Command) NCS may activate one or more supporting sub-nets. This reduces the traffic flow to, and maintains the efficiency of, the main net. These sub-nets operate independently of the main net and have their own NCS. If we need a sub-net with a section net, it would be to handle welfare traffic, collect data, etc.

The same pattern is used on a section level as part of the National Traffic System. Stations across the state don't have to check every other state's nets to pass traffic. Instead, it's sent from state to state through AREA nets and is exchanged between area nets by the TCC (Trans Continental Corps). The operative word in the NTS is "system." That's what allows traffic to flow across the country and that's what keeps nets functioning smoothly. When you check in with a section net -- or any net -- remember that you are a small part of a big system, and a very important part, too, because, without the check-ins, a net isn't.

MONTHLY NET ACTIVITY SUMMARY November 2000

NET	QTH	QTC	QTR	SSMS	MM
BWN	1314	1579	2251	30	W9RCW
BEN	587	62	824	30	KE9VU
WSBN	599	63	921	30	WB9WHQ
WNN	104	14	820	30	KB9ROB
WSSN	256	33	339	30	N9BDL
WIN/E	224	78	305	30	WB9ICH
WIN/L	197	55	298	30	W9UW
TOTALS	3341	1884	5258	210	

STATION ACTIVITY SUMMARY November 2000

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
WZ7V	0	583	32	474	1009 - BPL
W9RCW	1	289	45	249	583 - BPL
N8VE	0	284	39	254	557 - BPL
N9TVT	0	151	362	3	516 - BPL
K9JPS	1	227	38	221	487 - BPL
WD9GNK	10	188	27	178	481 - BPL
W9YYP	0	144	168	0	384
K9GU	0	145	19	146	310 - BPL
W9CBE	0	115	102	3	220
N9BDL	0	37	63	1	101
K9FHI	0	37	64	0	101
K9LGU	0	72	22	1	95
AG9G	0	62	18	0	80
W9UW	0	48	30	2	80
W9YCV	1	20	41	8	70
WA9ZTY	25	2	26	0	53
N9KHD	0	26	26	1	53
KE9VU	0	21	32	0	53
WD9FLJ	2	24	22	4	52
N9CK	0	22	29	0	51
K9GB	0	5	39	0	44
KB9ROB	0	32	4	2	38
W9BHL	0	0	32	0	32
AA9BB	0	4	26	0	30
W9RCW	0	0	30	0	30
K9HDF	0	1	27	0	28
KA9FVX	0	0	23	0	23
W9DDV	0	0	13	0	13
N9JY	0	1	9	1	11
WB9ICH	0	6	4	1	11
W9PVD	0	0	1	0	1

P S H R SUMMARY November 2000

CALL	1	2	3	4	5	6	7	8	TL
N8VE	35	0	0	254	0	30	0	0	319
K9JPS	44	24	18	221	1	10	0	0	318
K9FHI	60	24	24	0	0	30	0	30	168
WD9FLJ	60	3	24	4	2	20	0	30	143
N9BDL	60	24	24	1	0	30	0	0	138
W9YCV	60	24	24	8	1	20	0	0	137
W9CBE	60	24	24	3	0	20	0	0	131
K9LGU	60	18	24	1	0	20	0	0	123
N9TVT	60	24	24	3	0	10	0	0	121
AG9G	60	24	18	0	0	10	0	0	112
KA9FVX	31	0	0	0	0	10	0	0	41



SHEBOYGAN County Amateur Radio Club

Sky Borkenhagen, N9XRU, Secretary
N6466 Plank Circle • Glenbeulah WI 53023

2-Meter Repeater: 147.06 Output

The December meeting was called to order by club President Steve, N9TRK, at 7:05 p.m. There were six members present. The SCARC meetings are held every second Tuesday of the month in the Red Cross building at 2032 Erie Ave. in Sheboygan.

The meeting opened with the Treasurer Mike, K9SJ, distributing new and updated club rosters.

Steve, N9TRK, opened discussion about where to hold our club's Annual Dinner. The consensus was to hold it at Klemme's Wagon Wheel Restaurant in Howards Grove. Steve will follow up by making the reservations for the 17th, with the 12th or 19th as alternate dates.

Next, updates and placement of the club's Silent Key Plaque was discussed.

Refreshments provided by AA9SJ were enjoyed (very yummy homemade pretzel dip!) while the meeting wrapped up with a presentation by Mike, K9SJ, on internet connections, servers, and modem operations.

Thank you to all who contributed to this meeting!

The meeting was adjourned at 9:10 p.m.

Net Schedule

The SCARC 2 Meter net meets Monday nights at 8:00 p.m. on 147.060, PL107.2 +. This is a fun net and all are welcome to join us. Any members willing to take net control for one or more nights should contact Steve, N9TRK.

Saturday Morning Breakfasts

The Saturday morning Sheboygan hams breakfasts are held at the following venues:

1st - Jumes in Sheboygan

2nd - Family Restaurant in Cleveland

3rd - Jumping Jacks at Kohler Sports Core

4th - Park View Restaurant, County PP in Sheboygan Falls

5th - Hill Farm Restaurant, County V and OK in Sheboygan

Email List

If you use e-mail, consider signing up on the Sheboygan Hams mailing list. Simply submit your e-mail address to: <julian@bongo.tele.com>. All e-mail sent to <shebham@tele.com> will be forwarded to all listed subscribers. Thanks again, N6ARE, for providing this wonderful mail server for SCARC use.

Club Postal Mailing Address

SCARC, PO Box 1282,
Sheboygan, WI 53081-1282

Respectfully Submitted: Sky Borkenhagen, N9XRU

AO-40 could be leaking

AO-40 team member Peter Guelzow, DB2OS, says a small leak on AO-40 could account for the higher spin rate ground controllers have noticed since the satellite resumed telemetry transmissions on Christmas Day. Guelzow called on the amateur community to be patient during the AO-40 recovery.

"The good thing is that AO-40 seems to be in a very stable condition, and there are no signs of further damage," Guelzow said this week in a posting to the AMSAT bulletin board. "However, there is a sign of a small leak."

Ground controllers continue to look into the reason for the higher spin rate as well as into other items under investigation, Guelzow said, and the results will be reported when the AO-40 team reaches its final conclusions. He said the priority for now is to get AO-40 back to normal as soon as possible.

AO-40 went silent December 13 while ground controllers were testing the onboard 400-newton propulsion system. Guelzow's posting did not indicate whether he thought that propulsion system fuel or some other substance was escaping through the suspected leak. A computer reset command Christmas Day brought the satellite back to life, but telemetry data suggest that AO-40 suffered some damage. Since Christmas, the AO-40 ground team has been analyzing telemetry sent via the 2.4 GHz beacon--the only transmitter now operating--to determine

the status of AO-40's onboard systems.

Guelzow said that once the AO-40 team has a handle on the antenna situation it might attempt to get the 2-meter and possibly the 70-cm transmitters working. Until then, he said, AO-40 will continue to use the 2.4 GHz downlink. Guelzow said that because of the currently limited downlink capabilities, uploading of new commands and analyzing the results is taking somewhat longer than it would under normal circumstances.

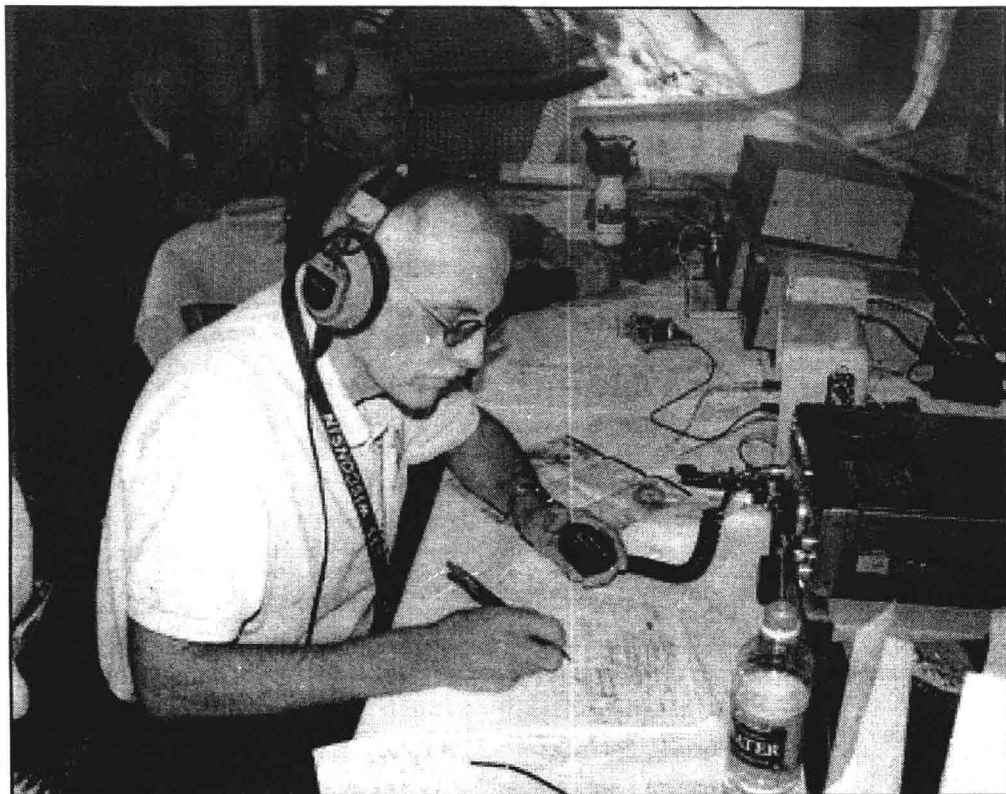
The AO-40 team also is evaluating the satellite's magnetorquing attitude control system and wants to spin down the spacecraft and adjust AO-40's attitude for better sun and squint angles. In addition, ground controllers will be taking a close look at various other systems and experiments onboard, including the arcjet and the stabilization wheels.

"Once this is completed and we have a complete overview, then we can declare the spacecraft to work normally and perhaps think about re-defining the mission of AO40, whatever it will be," Guelzow said. AMSAT-NA President Robin Haighton, VE3-FRH, this week said critical decisions would be made over the next week or two "based on the results of the analysis and much discussion among the command team."--AMSAT-BB; AMSAT-DL

The ARRL Letter

The U.S.S. Wisconsin and N4WIS

Continued from page 6



John Johnson, K0IBS, working SSB at N4WIS.

Photo by Ron Young, W8RJL

operators, and due to the large contingent of press and VIP's the USS Wisconsin Radio Club was limited to four "staff" passes. Blocks of time were scheduled for operators and the passes were handed off from shift to shift.

A total of 1953 QSO's were made in the four days including most states and many DX contacts. The pileup on 20 meters Saturday was unbelievable. QSL cards are being printed now and are expected to be back from the printer in about a month. They are full color, double wide (3 1/2 X 11 inch) photo QSL's of the USS Wisconsin. If you haven't mailed your SASE, now is the time to do so, as this QSL is a keeper. Send SASE to: KT4P, 4821 Rosecroft Street, Virginia Beach, VA 23464. Labels are being printed and SASE's are being sorted by call area in preparation for a peel and stick party following the arrival of the QSL cards.

The USS Wisconsin was open to the public (free tour of the deck) all day Saturday and Sunday and then was closed. Nauticus is also being closed to renovate and to build a walkway from the second floor of Nauticus to the deck of the Wisconsin. Nauticus and the USS Wisconsin will reopen to the public on April 16, 2001. Nauticus has indicated they want us to operate again and it is our hope that we can demonstrate that ham radio should become a permanent exhibit much like the ham radio operation at the Virginia Air and Space Museum across the harbor in Hampton, VA and at other ships, submarines and museums all around the nation. □

Lakeshore Repeater Association

147.270 MHz • Racine, Wisconsin

**Larry McCalvy, WA9JMO • 5400 Six Mile Road
Racine, WI 53402-9741**

wa9jmo@wi.net

Lakeshore's Board and the Technical Committee have been working diligently to iron out the wrinkles associated with securing and installing the 70-cm antenna on the new tower. Hopefully, by our January 30, 2001 meeting we will have enough concrete details to accurately project an on-the-air date for the 440-machine. The 7/8-inch hard-line has been ordered, the side-mount and top stabilizer for the antenna should be purchased this week, the tower climber's check-off sheet is being prepared, and our liability insurance policy is in force. We need to contract with a climber, move the repeater to the tower site and tie everything together. Although climbers work all year long, we may have to wait until the weather breaks and the climber has an open date, before installation can become a reality.

The first quarterly meeting of the Repeater Association will take place at 7:30 p.m. on Tuesday, January 30, 2001 at the Red Cross Building, 4521 Taylor Avenue in Racine. The board will update the membership on the status of both repeaters and field any and all questions concerning their operations. The cost associated with the new system is high, but with the concentrated effort of all of our system users, we can maintain both machines without raising the yearly dues. With the support of all of our regular users and those that will have been attracted by the coverage offered by the new

440-system, we should be in good financial shape.

An ARES meeting will precede the repeater get together and will kick-off at 6 p.m. in the same classroom. ARES EC John Rusefeldt, KA9RZL, is looking for a few innovative ideas to kick-start our ARES activities. Please bring your ideas, suggestions and comments to the meeting. We would like to establish some workable criteria for the weather nets and host some simulated emergency communication situations.

There has also been some discussion about moving the weather net to 8 p.m. and holding an informal swap-net following the weather group on Wednesday evenings.

Plan on joining us at both meetings and share your thoughts and ideas.

73, Larry McCalvy, WA9JMO, President

Coming in February BSSS:

**Rules and entry form
for the 2001
Wisconsin QSO Party**

Silent Key

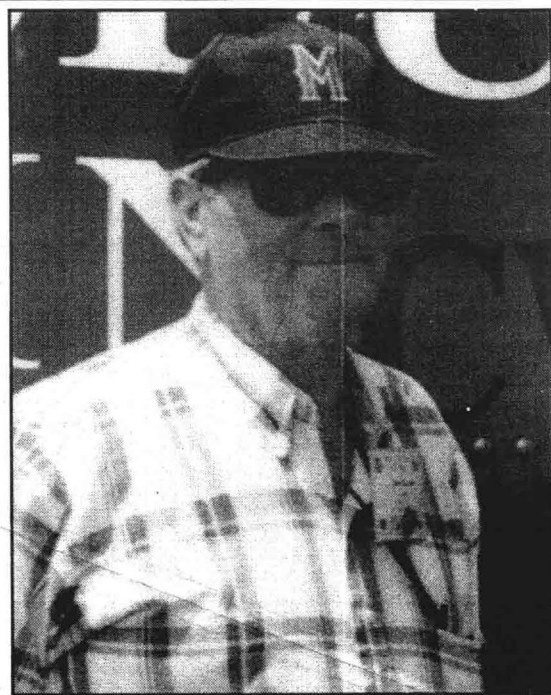
MILWAUKEE - Jack McLeland, W9ATK, died suddenly on January 2, 2001. Jack was long active in Milwaukee area amateur circles. He was past president of the Milwaukee Radio Amateur Club. Jack was very active in and supportive of Amateur Radio public service work. He put the first 2-meter FM repeater in Wisconsin on the air to support ARES work.

Jack also was active for many years in Navy-Marine Corps MARS, including overseeing the engineering and construction of five repeaters, all linked and taking a path from Great Lakes, IL, then 9th Naval District Headquarters, all the way to La Crosse, Wisconsin, a path of nearly 300 miles.

He was a broadcast engineer for several stations in the Milwaukee area.

He was active in the Ozaukee Radio Club and with Wisconsin Association of Repeaters.

Jack, 63, will be missed. His many years of service to the Great Circus Train and Chief Radio Officer for the charitable Vince Lombardi Golf Classic stand as a tribute to a humble, dedicated ham who got the job done.



Jack McLeland, W9ATK

Nels Harvey, WA9JOB, and Jim Romelfanger, K9ZZ

"Mother of all jamming stations" continues to plague 40 meters

For some months now, regular users of the 40-meter band have been plagued from time to time by strong, very broad, frequency-hopping signals that somewhat resemble a slow-scan TV transmission. The signals, it turns out, originate from jamming stations in the Middle East.

"We know exactly what this is," said ARRL Monitoring System Coordinator Brennan Price, N4QX. "This is a very high-power Iraqi jammer of a very high-power Iranian shortwave broadcast station."

The loud buzzing signals have been heard on the 40-meter CW and phone bands and have even been "spotted" on packet. The jammers occupy about 10 kHz of spectrum.

Price says the shortwave broadcast station involved is The Voice of the People of Kurdistan, transmitted via The Voice of the Islamic Republic of Iran facility in Teheran. "The Iranian station has a daily transmission on 7100 kHz from the same facility,

and Iraq has jammed that one also," he says.

Price explains that the Iranian station—which broadcasts anti-Saddam Hussein propaganda, hence the jamming—jumps frequencies several times each broadcast in order to avoid the jamming. Unfortunately for 40-meter users, the Iraqi transmissions follow. This results in a situation where it's hard to predict when the jammers might show up on a given frequency block or how long they'll stay.

Price said that neither station is transmitting where it is supposed to be. "The Iranian and Iraqi telecommunications administrations have been advised of this," he said.

Price says that such "politically motivated" intruders typically don't disappear until the political situation changes. "The 'woodpecker' went away when the Cold War did," he said. "This one will probably not go away until Saddam Hussein does."

The ARRL Letter

Second ARISS school contact a success!

Students at the Armstrong Fundamental Elementary School in Hampton, Virginia, got to interview Space Station Alpha Commander William "Shep" Shepherd, KD5GSL, via Amateur Radio on January 5. The contact was the second successful Amateur Radio on the International Space Station—or ARISS—school contact.

During the afternoon contact, about 10 students posed questions to Shepherd, who identified using the special NA1SS call sign. On the ground and using the Virginia Air and Space Center's KA4ZXW call sign, control operator Wally Carter, K4OGT, finally linked up with Shepherd about four minutes into the scheduled 10-minute pass. Signals were somewhat noisy but readable.

Students seemed fascinated with the effects of launch and space flight. Being launched from Earth into space felt like "someone standing on your chest," Shepherd told Mandy, the first questioner. But after about eight minutes or so, he said, you become weightless and can go anywhere you want. Shepherd told another questioner, who asked if he'd gotten dizzy or sick during launch that being weightless was "a very nice experience." He told another youngster that keeping food down in a zero-gravity environment was not a problem.

Students at Jan Sheldon Elementary School, Varysburg, New York, hope to complete their ARISS contact in the January 15-19 time frame, but all school QSO schedules are subject to change. For more information, visit the ARISS Web site, <http://ariss.gsfc.nasa.gov/>—ARISS

The ARRL Letter

Participating clubs are requested to have their material submitted to BSSS no later than five days after their meetings. Thanks!

SMARC Christmas Party

by Richard Regent, K9GDF



Former Section Manager Rich Regent, K9GDF, current Section Manager Don Michalski, W9IXG, and the venerable great, Verne Teske, W9RYA, paused for a photo at the South Milwaukee Amateur Radio Club's Christmas party.

Photo courtesy Don Michalski, W9IXG

The South Milwaukee Amateur Radio Club Christmas Party was held December 10, 2000, at the South Woods of Cudahy Restaurant. An hour before dinner, the waitresses were busy readying tables while live music was being played by the *Ham Band*. There was no practice session because the *Ham Band* consisted of three capable musicians. Barbara Regent, N9DIJ, keyboard; Blaise Matuszak, WD9CPT, string bass; and me on clarinet, played crowd pleasing melodies: favorite Christmas tunes, plus waltzes, polkas and popular melodies. The three of us totaled 88 years as hams, but 139 years as musicians, some formidable experience.

Santa Claus couldn't be at the Party because of an approaching snow storm (which eventually left over 13 inches of snow the next day). Fortunately, one of Santa's helpers, Don Michalski, W9IXG, was invited. Don is also known as our Wisconsin ARRL Section Manager and is a great conversationalist. He safely and promptly arrived at the Party after driving from Madison. SMARC President, Verne Teske, W9RYA, busy coordinating and greeting folks, was given a new *ARRL Operating Manual* as an early Christmas present to SMARC from the ARRL by Don - ho, ho, ho.

"By the way," I told Verne, "I wrote Chapter 8, Emergency Communications of the *Operating Manual*." Verne decided to present the Manual as a gift to the Club at their next regular meeting, but in the meantime he couldn't wait to sneak a peak inside the *Manual*.

The Party was a chance for everyone to reminisce, catch up on news, enjoy some liquid refreshments and strengthen wonderful appetites. A short prayer was given by W9RYA, just before the arrival of the tossed salads and continued conversations. Next, we were served huge helpings of stir-fry grilled-chicken breasts with onions, tomatoes and green peppers, immediately followed by the BBQ ribs, which were a delicious hit with the group. Tasty steamed vegetables, oven roasted potatoes, French bread and coffee were in plentiful supply and rounded out the meal.

This was a Merry Christmas for all who were there. Thanks to the gang at the South Milwaukee Amateur Radio Club. □

Using an AM BC tower on 160 - does it work?



Around November 1980, WBOO in Baraboo, allowed several members of the Yellow Thunder Amateur Radio Club (including K9EN, above) to use their AM tower for a 160 meter contest one night. How did it work? 330 QSOs were made with ease.

Photo by someone

FCC completes W5YI-VEC South Carolina Inquiry

The FCC has wrapped up its probe into alleged irregularities at three 1999 South Carolina Amateur Radio exam sessions. The FCC says it found "nothing improper" at an October 9, 1999, W5YI-VEC test session in Iva, but it suggested the VEC could have avoided problems with forgeries at exam sessions in Clemson in July and August of 1999.

The FCC initiated an audit of the W5YI-VEC last year, and the VEC has cooperated in the probe. In December, the FCC asked W5YI-VEC to detail how it screens and accredits VEs and its procedures for verifying the results of W5YI-VEC test sessions.

In a letter to W5YI-VEC's Fred Maia, W5YI, FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth said the forgeries and a Clemson "sub-session" where two volunteer examiners are alleged to have fraudulently upgraded themselves "constitute an alarming failure of oversight and integrity in the Volunteer Examiner program at those sessions."

The "sub-session" followed a scheduled exam session on July 14, 1999, in Clemson. The FCC alleges that then-volunteer examiners William J. Browning, ex-AB4BB and AF4PJ, and James F. Chambers, KF4PWF--in Hollingsworth's words--"apparently awarded themselves upgrades to Extra class" at the ad hoc exam session at Browning's home by forging the signatures of other VEs.

The FCC also says someone forged the signature of VE Grady Robinson, AK4N, on applications for all 10 examinees at an August 26, 1999, session in Clemson. Hollingsworth said that Robinson "was not present at the session and was in no way at fault."

As a result of the Clemson inquiry, Browning forfeited his Amateur Radio license. Chambers has been called in for retesting and his role "is still under review," Hollingsworth said. Browning and Chambers handled all paperwork for both the regular exam sessions and the "sub-session" in Clemson.

"It would appear that these forgeries and the upgrading of the volunteer examiners at their own 'sub-session' could have been detected by merely attempting to verify the presence of the volunteer examiners whose names and call signs appeared on the examination session documents," Hollingsworth told the W5YI-VEC.

Hollingsworth said Maia has responded to the FCC's letter. When contacted, Maia offered no comment on the FCC's latest request for information about W5YI-VEC's examination procedures. In the past he has said his VEC screens volunteer examiner applicants as well as it can and carefully logs every exam session.

The ARRL Letter

Escapees may have stolen radios; hams asked to monitor

According to news reports, the seven Texas prison escapees still at large and now wanted in connection with the murder of Irving, Texas, police officer Aubrey Hawkins, KC5USI, also may have stolen radios from a Houston Radio Shack store. The radios are said to include Amateur Radio 2-meter H-Ts as well as Business Radio Service (programmed for 156.400 MHz) and Family Radio Service (462.5625-467.7125 MHz) radios.

Hams have been asked to monitor these bands and report any suspicious activity any hour of the day to the Huntsville Command Center, 936-437-6735, and to their local law enforcement agency. Police advise that anyone spotting these suspects not try to approach them but contact local authorities immediately.

More information on the escapees is at <http://people.txucom.net/tdcj-ia/>. --Jerry Karlovich, KD5OM

The ARRL Letter

Round-the-world ham-sailor reaches South Africa

Round-the-world sailor David Clark, KB6TAM, has arrived in Cape Town, South Africa, aboard the sailing vessel Mollie Milar. Clark, who's trying to become the oldest person to sail solo around the world, has been using ham radio as a welcome link to the world he left behind and has been a daily check-in on the Maritime Net (14.313 MHz).

Clark's wife, Lynda, reports that the 76-year-old Clark and his sailing companion, Mickey, a west highland terrier, arrived just before Christmas and have been relaxing and getting acquainted. "Several repairs are needed, and David will be playing his clarinet for the people of Cape Town to earn monies to accomplish these repairs," Lynda Clark said in an e-mail posting over the holidays.

Clark plans to stay in Cape Town until mid-February. He and Mickey left Ft Lauderdale aboard his 44-foot steel-hulled sloop in December 1999. He hopes to celebrate the successful completion of his voyage at the Lauderdale Marine Center in Fort Lauderdale, Florida, before his 77th birthday on May 17.

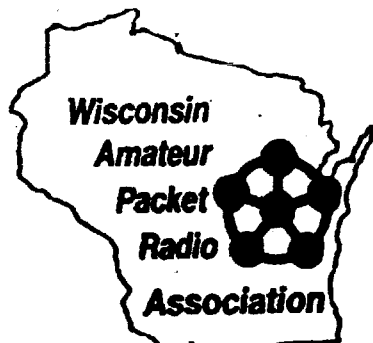
Clark already has sailed around the world once--in 1987 to 1991--although not completely alone. A previous solo attempt failed in 1995 when he was dismasted in the Indian Ocean and lost his boat and everything he owned.

Clark is financing his latest adventure out of his own pocket, using his Social Security income. Detailed reports of Clark's adventures can be found on Clark's son David's Web pages, <http://www.captainclark.com/Pages/Updates.html>. --Lynda Clark

The ARRL Letter

Delays and troubles

As you know, we fell far behind schedule in getting BSSS off the press due to computer failures. December's issue was mailed very late. THIS issue brings us about 2 1/2 weeks closer to normal, and February should be back on our normal schedule. Sorry for the inconvenience. Also, I cannot access the BSSS web site to change or update anything until we get a computer that can behave itself and run more than a day or two without going bananas (the computer, not me). There is nothing I can do about that at all. Sorry again. - Editor



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association

Allen Schnepf, NØGMJ, Treasurer
Ogema, WI 54459

Andy Nemec, KB9ALN, Editor · 453 Cottage Grove Avenue · Green Bay, WI 54304 · e-mail: kb9aln@juno.com

WAPR News - January, 2001

by Andy Nemec, KB9ALN

Happy New Year! Hope you were able to enjoy what some call the "true" start of the millennium, unlike last year when a lot of us were on standby for the big Y2K non-event.

This January 1, I was going to shut the Green Bay BBS down and devote the facilities used for the BBS to experimentation. However, I decided to change my mind and keep it operational. Like most BBS's, it has suffered from a lack of use. Three years ago we saw 50 or more users, these days it only sees maybe a half-dozen users. This is not a unique situation, a lot of BBSs are in the same boat. And it would be the easiest path to take in this circumstance. However, Joel N9BQM talked me out of it.

He rightly pointed out that when a BBS closes, very often network nodes associated with it are taken off the air. Other BBS systems that are forwarding partners to the closing BBS may also take a look at the situation and come to the same conclusion - it's not worth it with fewer participating stations.

While the network nodes in Green Bay would not close down, this would probably influence our neighbor BBS's negatively - they may also decide to throw in the towel and close up their BBS's. Which may indeed cause other network nodes to go away. Because I don't want to see this happening, I have decided to keep the present BBS on the air and work toward putting another type of BBS on the air that would eventually replace what we have now.

I do want to say that I think the current BBS system is sorely in need of updating. We're still using a text-based system, and one that does not function very well in a changing world. What I want to do is introduce a web-based BBS that treats messaging the same way that Internet news is handled. This would allow us to send pictures, search a message database for keywords, and would be a drastic departure from what we are doing now. As time goes on, I'll let you know of the progress of this project.

We'll certainly talk about this and the changing landscape of packet radio when we get together for our next WAPR meeting. The meeting will be held on January 20, 2001 in Pittsville, at the fire station (at the base of the water tower). It will get under way at 10:00 A.M. One note, please don't park in front of the garage doors, they have to be kept clear in the event that the fire trucks get called out.

The lone agenda item we must cover is the election of officers, in particular the board position that opened up with the passing of Ron Nelson, N9CFN last summer. As always, we will have open nominations for other positions. We welcome these, as some of the WAPR board members (myself included) have been on the board for a number of years and we are due for new members with fresh ideas. After all of the official meeting stuff is done, we'll catch lunch at one of the local eateries and continue the rag-chewing.

Last month I talked a little about the general decline in the packet user base, and I would like to continue this discussion and expand on it. You'll notice that the accompanying article this month is a survey designed to find out more about the people who use, or have used packet radio in the past, and what would make it more attractive to other hams. Please take a look at it and let me know what you think.

One piece of good news on the horizon to report - the return of the WAPR web page. We've been offered some free web space and will be revamping and adding to what was on the old site. It will be a few months before everything is ready to go, I'll let you know here when it is ready for visitation.

That'll do it for news this month. We're always ready to share your packet news with our readership. Drop me a note at one of the addresses at the top of this page, and I'll be happy to print it here.

Until next time, 73 from Andy.

A Packet Users Survey

by Andy Nemec, KB9ALN

As a regular packet user, you no doubt have noticed that the airwaves are a whole lot emptier lately. As BBS and other packet service providers only tend to keep facilities operating when they are used, this could spell a lot of trouble for the packet community. Before this problem gets any more pervasive, we'd like to do a little "market research" in an effort to find out why, and what can be done to reverse this trend.

This survey is aimed not only at current packet users, but former packet users. If you know anyone who may have left packet radio in the recent past, please copy and pass this survey along to them. All replies will be kept confidential, as will any other information that you have volunteered. We'd be most anxious to hear what current and former packet users have to say on the state of

our hobby-within-a-hobby. Thanks very much for your time.

1) What got you interested in packet radio in the first place?

- a) The newness of it
- b) The technology
- c) The convenience of communicating with others via mail
- d) Other reasons (please elaborate)

2) What do you find, (or did you find in the past) to be the most appealing aspect of packet radio?

- a) personal mail service
- b) file transfers
- c) keyboard-to-keyboard chats
- d) reading flood messages (bulletins) on the BBS
- e) APRS (Automatic Position Reporting System)
- f) experimentation
- g) other (please elaborate)

3) What were the biggest problems you had when you operated packet?

- a) radio setup
- b) TNC setup
- c) frequent disconnects
- d) unwanted connections from others you didn't want to chat with
- e) channel congestion
- f) you found the BBS to be intrusive on the LAN frequency
- g) interference problems

WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

PLEASE PRINT:

NAME: _____ CALL: _____ HOME PHONE: (____) _____

ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____

HOME BBS: _____ FREQ: _____ (Listing your home BBS is important)

MY PACKET STATION OPERATES: _____ DAY _____ NIGHT _____ 24 HOURS

I OPERATE A: _____ DIGIPEATER WITH AN ALIAS OF: _____

_____ FULL SERVICE BBS

PRIMARY PACKET INTERST/EXPERTISE IS: _____

_____ YES: I want to receive Badger State Smoke Signals and I understand that part of my dues will go to pay the subscription. Cost \$20.00.

_____ NO: I do not wish to receive Badger State Smoke signals as part of WAPR membership. Cost \$15.00.

Complete and return this form with your check or money order — \$15.00 for membership only or \$20.00 for membership and Badger State Smoke Signals, made payable to W.A.P.R. to:

Allen Schnepf, NØGMJ, Treasurer,
W5000 SR 86
PO Box 558
Ogema, WI 54459

- h) didn't understand it
i) other (please elaborate)

4) I stopped using packet radio when:

- a) I haven't stopped packet use
b) before I got my internet service
c) when I got my internet service
d) after I got my internet service
e) I did all I thought I could do with packet
f) I did not like the quality of the messages on the local BBS
g) when circumstances in my life changed, keeping me from using it.
h) other reasons (please elaborate as much as you want to)

5) Would you consider operating packet radio again (if you stopped) when circumstances changed?

- a) Yes
b) No

6) What would you like to see changed in packet radio (be as specific as you wish, and give as much information as you can)

Please complete this and send via packet, E-Mail or U.S. Mail to:

Andy Nemec, KB9ALN
KB9ALN@KB9ALN.#GRB.WI.USA.NOAM
kb9aln@juno.com
453 Cottage Grove Ave.
Green Bay, WI. 54304

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

Saturday dates: 8:30 a.m. registration, 9 a.m. testing.

Tuesday dates: 6:30 p.m. registration, 7 p.m. testing.

All sessions will be held in the Red Cross building, 2023 Erie Avenue, in the main level classroom area. This testing site is handicapped/wheelchair accessible. Signage will direct applicants to the proper area of the building. Pre-registration is appreciated so we don't get caught short of forms and examinations, but walk-ins are welcome. Contact: Art Pahr, K9XJ, N8029 Willow Road, Plymouth, WI 53073-2929; (920) 876-2370. K9XJ e-mail: <k9xj@excel.net>

ONALASKA, WI (ARRL/VEC)

September 16 and November 4. The Riverland Amateur Radio Club will hold test sessions at the Onalaska Public Library, 741 Oak Avenue South. Registration begins at 9:00 a.m. Please bring two forms of identification and two copies of all original documents, CSCEs, license, etc. For more information contact: Roger Reader, KA9BKK, 526 13th Ave. N., Onalaska, WI 54650. (608) 783-0723.

MEDFORD, WI (ARRL/VEC)

Saturday, December 23. Sponsored by the Taylor County Area Amateur Radio Club. Testing for all classes, Novice through Extra. Registration starts 8:30 a.m., testing starts 9 a.m. Location: The community meeting/conference room in the lower level of the Sheriff's Department annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI.

Take Ogden St. west off of Hwy. 13 to the courthouse. Park on the street or in the parking lot on the south



Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)

Club net: Sundays 8:00 p.m. on 147.315

Raymond J. Matlosz, N9MLZ, Secretary
450 W. 2nd St., Reedsburg, WI 53959-1500



The regular meeting for December 2000 was replaced with the annual Holiday party. The Holiday Party held December 16, 2000 at the Old Highway House in West Baraboo was attended by thirteen club members and guests. A good time was had by all.

The next meeting is scheduled for January 2, 2001.

The February meeting will be Tuesday February 6, 2001, room 18, Baraboo Civic Center followed by a presentation on the mysteries of the internet by Jim Paul,

N9LKY.

The club Sunday night net is held at 8:00 p.m. on 147.315.

Respectfully submitted,
Raymond J Matlosz N9MLZ, club secretary

side of the courthouse. Use one of the two entrances there. Watch for the signs when you get into the building. Talk-in on the 147.15 (+600 kHz, 114.8 PL) repeater. Walk-ins welcome, but if you know you'll be attending, please let us know. Contact: Tom Hrdina, N9GEN, 2373 Willow Ave., Medford, WI 54451. (715) 748-4054. E-mail: Mike, N9GHZ, muzikman@pcpros.net.

PEWAUKEE, WI (ARRL/VEC)

First Saturday in months school is in session. Exams held at Waukesha County Technical College Science Building. WCTC is on Highway JJ off Hwy 16 from the East I-94 and Hwy T from West I-94 just north of GE Medical Systems. Handicapped parking is at the rear of the building. Tests start at 9 a.m. and registration ends at 10 a.m. Contact: Al Johnson, AA7CS, (920) 568-0836, email aa7cs@arrl.net; Roger Bradley, AA9OJ, (262) 691-3089 or SEWFARS Repeater club, c/o Jam Lazachek, KF9GG (262) 650-0724.

Thanks Al Johnson, AA7CS

HUDSON, WI (ARRL/VEC)

Sponsor: St. Croix Valley AR Testing Col. Time: Call for time and walk-in info, Contact: Gregory Miller (715)386-9857 Location: St. Croix County Emergency, Government Center by jail, Carmichael Rd. lower level, Hudson, WI 54016. (Information tnx ARRL Web site)

HAMFEST EXAMS

Cedarburg WI - ORC Hamfest
Green Bay WI - ARES Hamfest
Hayward WI - Hayward Hamfest
Kaukauna WI - Swapfest
Manitowoc WI - Lakeshore Hamfest
Oak Creek WI - SMARC Hamfest
Rhineland WI - NWARC Swapfest
Rockford IL - RARC Hamfest
Rothschild WI - WVRA Hamfest
South Milwaukee, WI - SMARC Hamfest
Stevens Point, WI - CWRA Swapfest
Waukesha WI - KMRA Swapfest
Waukesha WI - Midwinter Swapfest
Dubuque IA - Hamfest

See the Swapfest page for additional information and contact persons.

IN THE NEIGHBORHOOD DUBUQUE, IOWA

Dubuque Hamfest. Contact: Carl Clark, N0KAX, 2145 Delicia Drive, Dubuque, IA 52001. (319) 557-9149.

ROCKFORD/LOVES PARK, IL Third Saturday of every month. Northern Illinois Volunteer Examiners (WSYI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. 9:00 a.m. to noon. No new applicants after 11:00 a.m. Walk-ins

welcome. Contact: Rusty Cordell, WB9QYV, 1823 Hulin St., Rockford, IL 61102-2619. (815) 968-0080. e-mail WB9QYV@aol.com

MINNESOTA TEST INFORMATION

From The Ground Wave, Saint Paul Radio Club

Saint Paul Radio Club (SPRC)

TESTING: First Saturday of the month, 8:30 a.m. Contact: Ed VanCleave, W0VC, (612) 636-0108 Test Site: St. Paul Technical College 235 Marshall Ave. St Paul, MN. Web page: <http://www.qsl.net/sprc/index.html>

Anoka Amateur Radio Club (AARC)

TESTING: Second Saturday of the month, 9 a.m. Contact: Craig Johnson, AA0ZZ (612) 483-3143 Test Site: Blaine City Hall 9150 Central Ave NE Blaine, MN Bloomington Office of Emergency Management

Bloomington Amateur Radio Club (BARC)

TESTING: Fourth Saturday of the month, 9 a.m. Contact: Dan Royer, KE0OR (612) 888-9756 Test Site: Fire Station No. 1 94th St. & Nicollet Avenue S. Bloomington, MN

Valley Amateur Radio Club (VARC)

TESTING: Second Thursday of the month, 7 p.m. Contact: Bill Martin, AI0D (612) 432-0438 Test Site: Hayes Community Center 14601 Hayes Road Apple Valley, MN

W5YI Group

TESTING: Third Tuesday of the month, 6:30 p.m. Contact: Dave Ranney, N0AXL (612) 542-2553 Test Site: Eden Prairie Library 479 Eden Prairie Drive Eden Prairie, MN

SE Metro Area Radio Club (SEMARC)

TESTING: Third Saturday of the month, 9 a.m. Contact: Dave Harrell, K0BTE (612) 459-8678 Test Site: Cottage Grove fire Station 8641 80th ST., S Cottage Grove, MN.

The times and places listed above are the usual time and place for each VE team. Occasionally, sessions are canceled or changed. It is a good idea to call ahead to confirm the test time and place.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to kebnetter@palacenet.net.

Buy it! • Sell it! • Trade it! • Fix it!

SWAPFESTS



2000 WINNERS
Phillip A. Bogacki, KB9KFE
Milwaukee, WI
Michael R. Plack, KB9SCH
Oak Creek, WI

**29th ANNUAL MIDWINTER
SWAPFEST**
WAUKESHA EXPOSITION
CENTER
WAUKESHA, WISCONSIN
**SATURDAY
JANUARY 6, 2001**

Both sponsored by:
THE WEST ALLIS RADIO AMATEUR CLUB, INC.
P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201

**HAM IT UP EVERY SPRING!
MADISON SWAPFEST**

April 8, 2001
Mandt Community Center
400 Mandt Parkway • Stoughton, WI
Doors open at 8 a.m.
Sponsored by MARA/W9HSY
P. O. Box 8890 Madison, WI 53708-8890
Swapfest Information Line: (608) 245-8890

**SOUTH MILWAUKEE AMATEUR RADIO CLUB
SWAPFEST 01**

2001 ♦ July 7
(Held every July)
American Legion Park
Shepard Avenue • Oak Creek, WI
(414) 762-3235 Extension: Ask for Verne
P. O. Box 102 South Milwaukee, WI 53172

SEWFARS SWAPFEST

HAM RADIOS • COMPUTERS • ELECTRONICS
AMATEUR LICENSE EXAMS
SUNDAY, MARCH 4, 2001
8:00 A.M. - 2:00 P.M.
Setup Starts at 6:00 A.M.
For more information, call (414) 835-7035

The Chicago FM Club presents
RADIO EXPO 2001

September 22 and 23
Lake County Fairgrounds, Rts. 45 and 120,
Grayslake, Illinois
Free parking • Amateur Exams • Talkin 14616/76
Info - Voice mail and FAX: (708) 457-0966
<http://www.chicagofmclub.org> • P.O. Box 56784, Harwood
Heights, IL 60658-0724

TRI-COUNTY ARC PRESENTS
HAMFEST 2001

YOUR SPRING FAVORITE I
Sunday, March 18
Jefferson County Fairgrounds
tricityarc@globaldialog.com
TCARC 213 Frederick St Fort Atkinson, WI 53538
920-563-6381
Evenings

**NSORC
Fest**



formerly known as LAMARSfest
Lake County Fairgrounds / Grayslake, Illinois
Radio, Electronic, Computer Swapfest

03/25/01

North Shore Radio Club / Box 1068 Highland Park, IL / 60035

Eau Claire Amateur Radio Club

HAMFEST 2001
Saturday, June 9, 2001

For Information Contact:
Jim Staatz KG9RA at 715-838-9108
P.O. Box 1867 Eau Claire, WI 54702-1867
<http://www.ecarc.org> w9eau@ecarc.org

Ozaukee Radio Club
**23RD ANNUAL RADIO AND
COMPUTER SWAPFEST**
Saturday, May 5, 2001

8 a.m. to 1 p.m. • Circle B Recreation Center
Intersection of Highway 60 and County I
Exams by Badger Examiners, c/o Gary Sharbuno,
5119 W. Willow Rd., Brown Deer, WI 53222
Swapfest sponsored by the Ozaukee Radio Club
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